

Interchange Reconnection and Flows from Coronal Hole Boundaries

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Description: Interchange reconnection at the interface of open and closed fields is the fundamental mechanism by which confined plasma is released into the heliosphere thus contributing to the highly variable slow solar wind. We wish to investigate the effects of interchange reconnection on the dynamics of coronal hole boundaries using combined spectroscopic observations of the chromosphere, transition region and corona.

Target: Preferably a boundary of an on-disk coronal hole with quiet sun/active region close to solar central meridian; alternatively a polar coronal hole boundary.

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EIS study 226 for 3 runs for each IRIS run